Accident / Incident Report Closed



Unit/Department	Process Area	s	ite			Report Number				
South Operation-Elyria		E	ELYRIA		0084-SOPS-15-0014					
Report Date	Incident Date Incident 1		cident Time	ent Time		Copied From				
02/03/2015	02/03/2015	1:	12:40 AM		ALIAN MARKANIN MARKAN					
Incident Location	T-	Team Leader / Supervisor		Repo	Reported By					
Building 9	Building 9			rence M Vanderbosch			Alexander Donald			
Title of Event (Limit to 90 cl	C	ategory	gory			Division / Bus, Group / Subgroup Code				
PK blender lid pressurized	Y T Tarkoulli mand van man om	Safety & Heal	· ·			C/G-CCP				
Incident Classification			·							
Near Miss		erty Loss	<u> </u>	ntractor						
Process Safety	_	on / NOV			njury / Iline					
Injury / Illness		n Exposure	∐ Co	ntract Inj	ury / Iliness	5				
Spill / Release	∐ Inspe		∐ PS	M						
Permit / Regulatory Devi		Incident		int Upset						
Fire	∐ Non-0 □ RMP	Occupational			ement Sys	ement System Failure				
Odor Complaint		Ļ Ot	her							
Describe Event / What Happ	ened						on a real section recover	o de toto economico		
the product into the bag nothing came out. The operator opened and closed the valve a few times and still no powder came out. The operator then went up to the top lid of the PK blender and began to slowly loosen it. After the second turn of the screw assembly the lid came off of the blender in the direction of the operator, hitting the support bar and also striking the operator's hard hat, covering him with material. The operator did not sustain any injuries. Immediate Corrective Action or Response Supervisor sent the operator to take a shower and get cleaned up. Had two other operators clean the area after allowing the dust to settle in the room.										
Control of the Contro	er from making a l	natch		~						
Pressure build up in blender from making a batch.										
Spill Release Type(s) Chemical(s) Involved	Non RQ Spill / I	CAS#	Phy. State	Air	Land	Water	Contmt	Units		
				on a compression of the	Section and the section of the secti			ļ		
Selectsorb	~	N/A	Dust	0	0	0	30	lbs		
Disposition of Material Weather Conditions	· · · · · · · · · · · · · · · · · · ·	d up and disposed		in Inde	d Disable		Carles Co	nenssarae.		
vveatiler Conditions	Skies:	Temperati	ıre:	VVI	nd Direction	1: 	Wind Sp	eea:		
h	·,,,,,,,,,,,,,							,		
Cause Narrative										
Pressure build up inside of blender due to discharge valve not opening while attempting to unload batch.										
Contributing Causes Root/Primary Causes										
Control panel readout did no position	138 - Human Factors Engineerii				3 - Control/Display egration/Arrangement LTA					
System cannot detect pressure is present		138 - Human Factors Engineerin				161 - Errors Not Detectable				
Working batch sheet does not have all of the precautions that the manufacturing document has		111 - Procedures	117 - Misleading/ g	Misleading/Confusin		18 - Format Confusing or LTA				
current tab allows lid to slide off		15 - Design Input/Output		16 - Design Input 16 - Design Input LTA						

Printed: 09/28/2016 Page: 1

Explanation of Root Causes

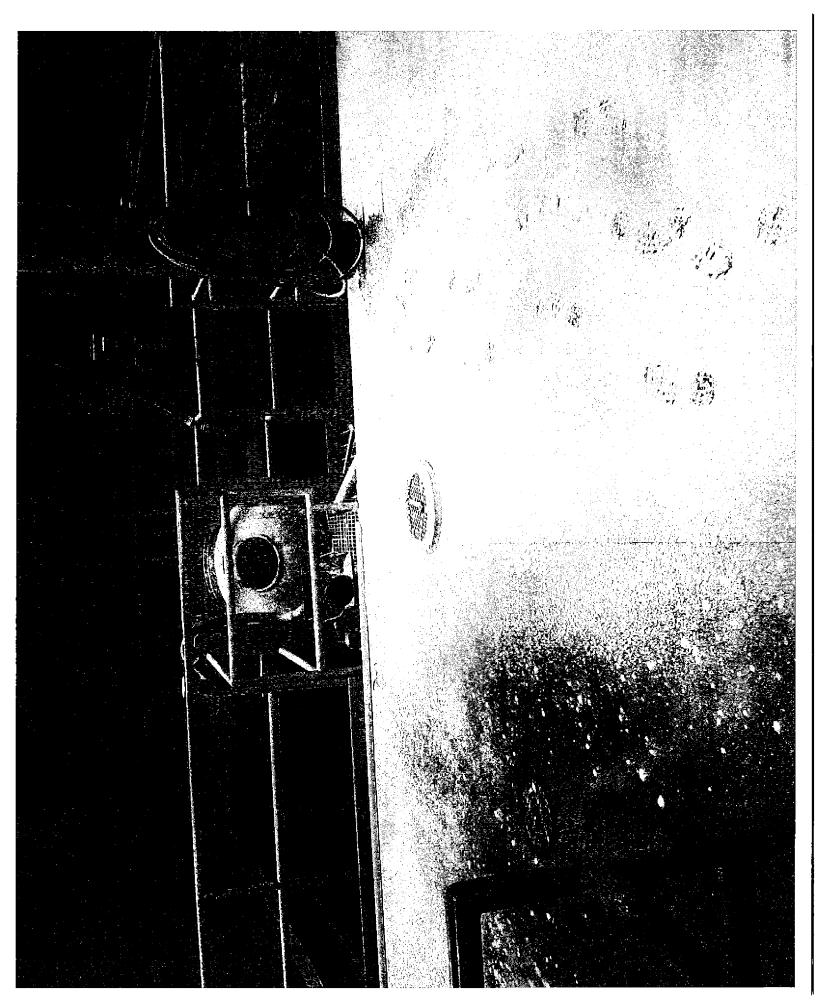
- 143 there is an air line to the valve that was not opened. The panel indicator noted that the valve was in the open position, however, with the air off the valve did not open. The controls are not interlocked
- 161 currently cannot detect that pressure is in vessel. There is no indication of pressure. The operator loosen the lid in a normal fashion and pressure did not vent before the lid came off.
- 111 The Batch sheet does not have all of the warnings that are specified in the Manufacturing document regarding possible pressure buildup
- 16 The current lid design does not allow the to be easily retained to the vessel

Any known or potential off-site impacts?	No	PSM Incident?	No	Estimated Cost:	2,000.00 USD
Investigation Team	John R Crawford; Leon Zavodnik; Alexander Donald; Seth Diewald; John				
	Bodmann; Brian Beller; Terrence M Vanderbosch; Noemi Trent; Sean M Holly				Sean M Holly

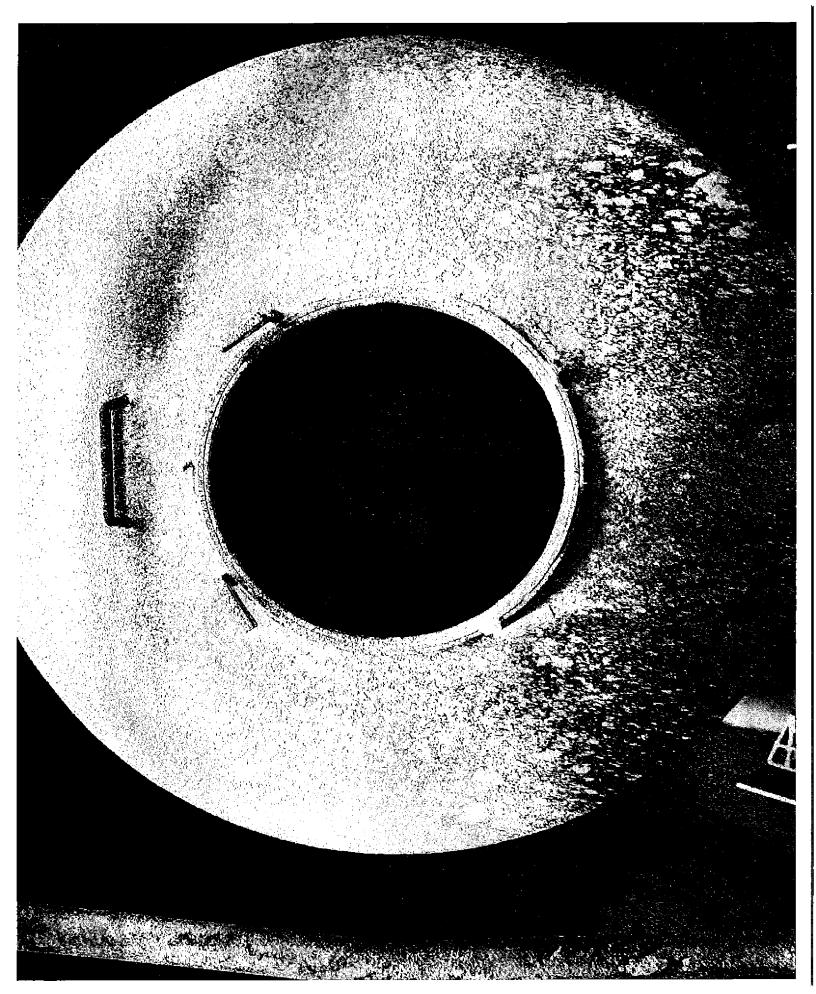
Ite m	Corrective Action(s) to prevent recurrence	Responsible Person	Target Date	Final Closed Date	VC Re	VE Re q
1	Allocate resources to redesign current valve to allow for feedback on valve position with appropriate interlocks to ensure valve is open	Raymond Hazlerig/NA/BASF	08/05/2015	08/03/2015	N	N
2	Investigate if pressure monitoring can be installed on blender so operator knows that pressure has built up	Raymond Hazlerig/NA/BASF	10/05/2015	09/29/2015	N	N
3	Modify batch sheets for appropriate warnings and actions to take during batch processing to ensure blender does not pressurize	John Bodmann/BASF-CATALYSTS/BASF	02/19/2015	02/16/2015	N	N
4	Redesign lid and tabs to prevent lid from popping off if pressure builds up. See if lid can be attached to lip of blender	Brian Beller/NA/BASF	03/27/2015	02/12/2015	N	N
5	Review and Modify PK operating procedures to account for the possibility of pressure in the vessel	John Bodmann/BASF-CATALYSTS/BASF	06/05/2015	06/04/2015	N	N
6	Modify all batch sheets for PK products that describe that venting through top port should occur (Cr-0218P, etc). Change sheets to stop this practice	John Bodmann/BASF-CATALYSTS/BASF	06/25/2015	06/24/2015	N	N
7	Modify all batch sheets for PK products that describe that venting through top port should occur if applicable (Pill mix). Change sheets to stop this practice	Justin Quach/NA/BASF	06/25/2015	03/16/2015	N	N

Approved By:	
Manager / Dept. Head	Leon Zavodnik 02/19/2015 10:55 AM
	Dean R Gadoury 02/19/2015 10:59 AM
	Confidential

Printed: 09/28/2016 Page: 2



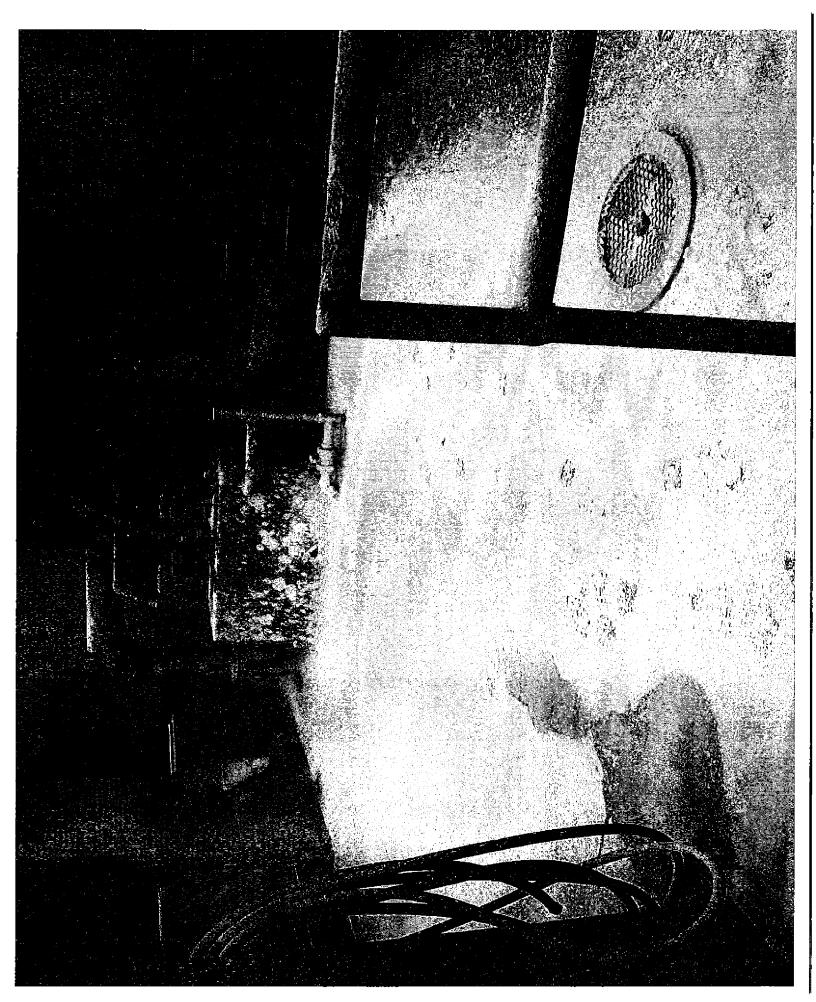
CONFIDENTIAL BASF_114_000025



CONFIDENTIAL BASF_114_000027



CONFIDENTIAL



CONFIDENTIAL